

Claims

1. A labeled specific binding material comprising a substance capable of specifically binding to an analyte, a spacer and magnetic beads having a diameter of 0.1 to 10 μm , wherein the specific binding substance is coupled to the magnetic beads via the spacer.
2. The labeled specific binding material according to claim 1, wherein the spacer is polyalkylene glycol.
3. The labeled specific binding material according to claim 2, wherein the polyalkylene glycol has 2 to 500 repeat units.
4. The labeled specific binding material according to claim 3, wherein the polyalkylene glycol is polyethylene glycol.
5. The labeled specific binding material according to any one of claims 1 to 4, wherein the spacer is bonded to the magnetic beads through an avidin/biotin complex.
6. The labeled specific binding material according to any one of claims 1 to 5, wherein the analyte is an antigen and the substance capable of specifically binding to the analyte is an antibody.
7. A kit for detecting an analyte, comprising a labeled specific binding material according to any one of claims 1 to 6.
8. A method of detecting an analyte, comprising binding the analyte to the labeled specific binding material according to any one of claims 1 to 7 to form a conjugate, and detecting a magnetic signal from the conjugate to detect the analyte.